

Agrium

ENF/COMPL ✓
TV ACTIVITY
MACT
OTHER

Agrium Conda Phosphate Operations*

3010 Conda Road
Soda Springs, ID 83276
Tel: 208-547-4381
Fax: 208-547-2550

July 15, 2005

File No.: EN-05-086

Certified Mail # 7001 0320 0003 0613 6747

Air Quality Permit Compliance
Department of Environmental Quality
Pocatello Regional Office
444 Hospital Way #300
Pocatello, Idaho 83201

Attn: Richard Elkins

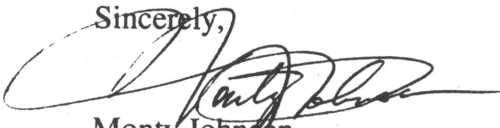
**RE: Quarterly Gaseous and Opacity Excess Emission
and Continuous Monitoring System Performance**

Dear Mr. Elkins,

As per Sections 2.17 and 6.27 of our Air Quality Tier I Operating Permit No. T1-040308 and in accordance with 40 CFR 63.607 and 63.627, Agrium Conda Phosphate Operations submits the enclosed report entitled "Quarterly Gaseous and Opacity Excess Emission and Continuous Monitoring System Performance". The reporting period is April 1, 2005 through June 30, 2005.

If you have any questions concerning this letter or the enclosed report, please call. I respectfully request a conference to discuss this report and future compliance determinations for our pollution control equipment at your earliest convenience.

Sincerely,



Monty Johnson
Environmental Manager

Attachment: One (1) unbound report for reporting period 4/1/2005 through 6/30/2005.
cc: Director, Air and Waste Management Division, Region 10 EPA, w/report

Agrium Conda Phosphate Operations*

3010 Conda Road
Soda Springs, ID 83276
Tel: 208-547-4381
Fax: 208-547-2550

Quarterly Gaseous and Opacity Excess Emission and Continuous Monitoring System Performance

Monitoring Period:
April 1, 2005 through June 30, 2005

* A Registered Name of Nu-West Industries, Inc.

MACT CHECKLIST

Facility: Phos Acid Plant

Scrubber Parameters

Pressure Drop

| | | |
|----|-----------------------|-----------------------------------|
| a. | Type of Instrument | Differential Pressure Transmitter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 3051 |
| d. | Serial No. | 898170 |
| e. | Range | 0-20 inches H ₂ O |
| f. | Accuracy | +/- 0.25 of calibrated span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-20 inches H ₂ O |
| i. | Tag No. | 26PDI005112 |
| j. | Location | Phos Acid Scrubber |

Liquid Flow #1

| | | |
|----|-----------------------|--------------------|
| a. | Type of Instrument | Flowmeter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 8800 |
| d. | Serial No. | 56693 |
| e. | Range | 0-300 gpm |
| f. | Accuracy | 0.65% of rate |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-300 gpm |
| i. | Tag No. | 26FI001112 |
| j. | Location | Phos Acid Scrubber |

Liquid Flow #2

| | | |
|----|-----------------------|-----------------------------|
| a. | Type of Instrument | Flowmeter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 8742 |
| d. | Serial No. | 860105702 |
| e. | Range | 0-2200 gpm |
| f. | Accuracy | 0.5% of rate; 0.05% of span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-2200 gpm |
| i. | Tag No. | 26FI002112 |
| j. | Location | Phos Acid Scrubber |

Excess Emissions Report
 MACT Reporting
 Nu-West Industries, Inc.
 d.b.a. Agrium Conda Phosphate Operations
 Reporting Period Ending: June 30, 2005
 40 CFR 63.10

Facility: Phos Acid Plant

Scrubber: Horizontal Cross Flow Scrubber

| | | |
|--------------|---|--|
| 63.10(c)(5) | The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; | No event in which CMS inoperative |
| 63.10(c)(6) | The date and time identifying each period during which the CMS was out of control, as identified in § 63.8(c)(7); | No out of control events |
| 63.10(c)(7) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of affected source; | See attachment. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. DEQ was notified of all startups, shutdowns, and malfunctions of affected source. |
| 63.10(c)(8) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of affected source; | See attachment |
| 63.10(c)(9) | [Reserved] | |
| 63.10(c)(10) | The nature and cause of any malfunction (if known); | No malfunctions |
| 63.10(c)(11) | The corrective action taken or preventive measures adopted; | Not applicable |
| 63.10(c)(12) | The nature of the repairs or adjustments to the CMS that was inoperative or out of control; | Not applicable |
| 63.10(c)(13) | The total process operating time during the reporting period. | 1,896 hours |

40 CFR Part 63.10(e)(3)(vi)

SUMMARY REPORT

GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

- A. Company Name & Address of Affected Source
Nu-West Industries, Inc.
d.b.a. Agrium Conda Phosphate Operations
3010 Conda Road
Soda Springs, Idaho 83276
- B. Hazardous Air Pollutant Monitored
Gaseous and Particulate Fluoride
- C. Beginning and Ending Dates of Reporting Period
April 1, 2005 to June 30, 2005
- D. Description of Process Unit
Horizontal Cross Flow Scrubber to Control Emissions from
Wet Process Phosphoric Acid Production Process
- E. Operating Parameter Limitations
- | | | |
|--|---------|------|
| Pressure Drop, inches H ₂ O | Minimum | 7.23 |
| | Maximum | 9.46 |
| Scrubber Flow, gpm | Minimum | 977 |
| | Maximum | 1465 |
- F. Monitoring Equipment Manufacturer and Model Number
See Attachment
- G. Date of Latest CMS Certification or Audit
At Installation
- H. Total Operating Time of Affected Source
1,896 hours
- I. Emission Data Summary
See Attachment
- J. CMS Performance Summary
Only hours of actual operation are shown. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. See attachment.
- K. Description of Changes in CMS, Processes, or Controls
No changes in CMS, Processes, or Controls were made during this period.
- L. Name, Title, and Signature of Responsible Official
See Attachment
- M. Date of Report
See Attachment

Phosphoric Acid Plant Daily Average Scrubber Flow and Pressure Drop
 April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.
 Data shown based on fan amps greater than 60 amps.

Days for period: 79

Scrubber flow rate established range 961 to 1441 gpm; pressure drop 7.4 to 11.1 in. H2O

| | | | |
|------------|-----|----------|-----|
| % Flow out | 0.0 | % Dp out | 0.0 |
|------------|-----|----------|-----|

26FI0011 26FIC002112/PID1/P 26PDI0051 26II001112/AI1/PV.CV

*Different from Summary rept
 DP 7.23-9.46
 flow 977-1465*

| | | Phos scrubber flow #1 | Phos scrubber flow #2 | Total Flow gpm | Scrubber Dp in. H2O | Scrubber fan amps |
|----------|--------------------|-----------------------------|-----------------------------|----------------------|---------------------------|----------------------|
| 4/1/2005 | 01-Apr-05 00:00:00 | 53 | 1150 | 1203 | 9.38 | 76 |
| 7/2/2005 | 02-Apr-05 00:00:00 | 51 | 1149 | 1201 | 9.28 | 77 |
| 1day | 03-Apr-05 00:00:00 | 51 | 1149 | 1200 | 9.21 | 75 |
| | 04-Apr-05 01:00:00 | 51 | 1150 | 1200 | 9.30 | 76 |
| | 05-Apr-05 01:00:00 | 51 | 1149 | 1200 | 9.40 | 77 |
| | 06-Apr-05 01:00:00 | 46 | 1150 | 1196 | 9.28 | 77 |
| | 07-Apr-05 01:00:00 | 44 | 1149 | 1194 | 9.13 | 75 |
| | 08-Apr-05 01:00:00 | 46 | 1150 | 1196 | 9.34 | 76 |
| | 09-Apr-05 01:00:00 | 45 | 1185 | 1229 | 9.35 | 76 |
| | 10-Apr-05 01:00:00 | 43 | 993 | 1036 | 9.06 | 76 |
| | 11-Apr-05 01:00:00 | 41 | 1144 | 1185 | 9.60 | 77 |
| | 12-Apr-05 01:00:00 | 39 | 1050 | 1088 | 9.39 | 76 |
| | 13-Apr-05 01:00:00 | 40 | 1049 | 1089 | 9.26 | 75 |
| | 14-Apr-05 01:00:00 | 40 | 1049 | 1089 | 9.39 | 76 |
| | 15-Apr-05 01:00:00 | 38 | 1037 | 1075 | 9.24 | 76 |
| | 16-Apr-05 01:00:00 | 38 | 1065 | 1102 | 9.36 | 75 |
| | 17-Apr-05 01:00:00 | 37 | 1199 | 1236 | 9.23 | 75 |
| | 18-Apr-05 01:00:00 | 38 | 1130 | 1168 | 9.37 | 75 |
| | 19-Apr-05 01:00:00 | 37 | 1200 | 1237 | 9.36 | 75 |
| | 20-Apr-05 01:00:00 | 36 | 1090 | 1126 | 9.37 | 75 |
| | 21-Apr-05 01:00:00 | 34 | 1029 | 1064 | 9.42 | 76 |
| | 22-Apr-05 01:00:00 | 33 | 1029 | 1062 | 9.40 | 75 |
| | 23-Apr-05 01:00:00 | 30 | 1064 | 1094 | 9.25 | 75 |
| | 24-Apr-05 01:00:00 | 31 | 1072 | 1104 | 9.57 | 75 |
| | 25-Apr-05 01:00:00 | 32 | 1030 | 1061 | 9.49 | 75 |
| | 26-Apr-05 01:00:00 | 30 | 1030 | 1060 | 9.42 | 74 |
| | 27-Apr-05 01:00:00 | 29 | 1029 | 1058 | 9.37 | 74 |
| | 28-Apr-05 01:00:00 | 29 | 1029 | 1059 | 9.56 | 75 |
| | 29-Apr-05 01:00:00 | 29 | 1030 | 1058 | 9.70 | 76 |
| | 30-Apr-05 01:00:00 | 28 | 1029 | 1057 | 9.69 | 76 |
| | 01-May-05 01:00:00 | 28 | 1044 | 1071 | 9.62 | 76 |
| | 02-May-05 01:00:00 | 27 | 1100 | 1127 | 9.58 | 75 |
| | 03-May-05 01:00:00 | 27 | 1067 | 1094 | 9.55 | 76 |
| | 04-May-05 01:00:00 | 26 | 1025 | 1051 | 9.53 | 75 |
| | 05-May-05 01:00:00 | 26 | 1024 | 1050 | 9.46 | 74 |
| | 06-May-05 01:00:00 | 26 | 1024 | 1050 | 9.52 | 75 |
| | 07-May-05 01:00:00 | 26 | 1025 | 1050 | 9.57 | 75 |
| | 08-May-05 01:00:00 | 25 | 1024 | 1049 | 9.45 | 75 |
| | 09-May-05 01:00:00 | 25 | 1025 | 1050 | 9.41 | 74 |
| | 10-May-05 01:00:00 | 25 | 1089 | 1114 | 9.55 | 75 |
| | 11-May-05 01:00:00 | 25 | 1150 | 1175 | 9.57 | 75 |

Phosphoric Acid Plant Daily Average Scrubber Flow and Pressure Drop

April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.

Data shown based on fan amps greater than 60 amps.

Days for period: 79

Scrubber flow rate established range 961 to 1441 gpm; pressure drop 7.4 to 11.1 in. H2O

% Flow out 0.0 % Dp out 0.0

26FI0011 26FIC002112/PID1/P 26PDI0051 26IIO01112/AI1/PV.CV

| | Phos scrubber flow #1 | Phos scrubber flow #2 | Total Flow gpm | Scrubber Dp in. H2O | Scrubber fan amps |
|--------------------|-----------------------------|-----------------------------|----------------------|---------------------------|----------------------|
| 12-May-05 01:00:00 | 25 | 1149 | 1174 | 9.49 | 75 |
| 13-May-05 01:00:00 | 24 | 1092 | 1116 | 9.56 | 75 |
| 14-May-05 01:00:00 | 24 | 1050 | 1074 | 9.20 | 74 |
| 15-May-05 01:00:00 | 25 | 1049 | 1074 | 9.29 | 74 |
| 16-May-05 01:00:00 | 23 | 1035 | 1058 | 8.58 | 66 |
| 17-May-05 01:00:00 | 24 | 1049 | 1073 | 8.69 | 66 |
| 18-May-05 01:00:00 | 25 | 1049 | 1073 | 9.18 | 74 |
| 19-May-05 01:00:00 | 24 | 1051 | 1076 | 9.17 | 74 |
| 20-May-05 01:00:00 | 24 | 1100 | 1124 | 9.09 | 74 |
| 21-May-05 01:00:00 | 24 | 1099 | 1123 | 9.18 | 75 |
| 22-May-05 01:00:00 | 24 | 1099 | 1123 | 9.15 | 74 |
| 23-May-05 01:00:00 | 24 | 1100 | 1124 | 9.15 | 74 |
| 24-May-05 01:00:00 | 24 | 1099 | 1123 | 9.24 | 75 |
| 25-May-05 01:00:00 | 23 | 1231 | 1255 | 9.35 | 75 |
| 26-May-05 01:00:00 | 23 | 1055 | 1079 | 9.29 | 74 |
| 27-May-05 01:00:00 | 23 | 1081 | 1104 | 9.26 | 73 |
| 28-May-05 01:00:00 | 23 | 1089 | 1112 | 9.31 | 73 |
| 29-May-05 01:00:00 | 23 | 1030 | 1053 | 9.26 | 72 |
| 30-May-05 01:00:00 | 23 | 1029 | 1052 | 9.44 | 73 |
| 31-May-05 01:00:00 | 23 | 1053 | 1076 | 9.36 | 73 |
| 01-Jun-05 01:00:00 | 23 | 1239 | 1262 | 9.47 | 73 |
| 02-Jun-05 01:00:00 | 23 | 1085 | 1107 | 9.40 | 73 |
| 03-Jun-05 01:00:00 | 23 | 1050 | 1073 | 9.65 | 73 |
| 04-Jun-05 01:00:00 | 23 | 1237 | 1260 | 9.85 | 73 |
| 05-Jun-05 01:00:00 | 24 | 1387 | 1411 | 10.10 | 75 |
| 10-Jun-05 01:00:00 | 30 | 1152 | 1182 | 10.91 | 76 |
| 19-Jun-05 01:00:00 | 50 | 1106 | 1156 | 10.02 | 70 |
| 20-Jun-05 01:00:00 | 49 | 1100 | 1149 | 9.51 | 69 |
| 21-Jun-05 01:00:00 | 47 | 1097 | 1144 | 9.47 | 68 |
| 22-Jun-05 01:00:00 | 76 | 1173 | 1249 | 9.52 | 68 |
| 23-Jun-05 01:00:00 | 52 | 1185 | 1237 | 9.50 | 69 |
| 24-Jun-05 01:00:00 | 50 | 1184 | 1234 | 9.31 | 67 |
| 25-Jun-05 01:00:00 | 46 | 1184 | 1230 | 9.34 | 66 |
| 26-Jun-05 01:00:00 | 47 | 1186 | 1232 | 9.43 | 66 |
| 27-Jun-05 01:00:00 | 51 | 1168 | 1219 | 8.85 | 66 |
| 28-Jun-05 01:00:00 | 53 | 1243 | 1296 | 8.59 | 65 |
| 29-Jun-05 01:00:00 | 40 | 1235 | 1275 | 8.70 | 66 |
| 30-Jun-05 01:00:00 | 55 | 1274 | 1329 | 8.75 | 66 |

40 CFR Part 63.10(e)(3)(vi)

SUMMARY REPORT

GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

- A. Company Name & Address of Affected Source
Nu-West Industries, Inc.
d.b.a. Agrium Conda Phosphate Operations
3010 Conda Road
Soda Springs, Idaho 83276
- B. Hazardous Air Pollutant Monitored
Gaseous and Particulate Fluoride
- C. Beginning and Ending Dates of Reporting Period
April 1, 2005 to June 30, 2005
- D. Description of Process Unit
Vertical Spray Column Scrubber to Control Emissions from
52% Evaporator – Secondary Scrubber to Phosphoric Acid Production Process
- E. Operating Parameter Limitations
- | | | |
|--|---------|-------|
| Pressure Drop, inches H ₂ O | Minimum | 1.82 |
| | Maximum | 2.74 |
| Scrubber Flow, gpm | Minimum | 175.2 |
| | Maximum | 262.8 |
- F. Monitoring Equipment Manufacturer and Model Number
See Attachment
- G. Date of Latest CMS Certification or Audit
At Installation
- H. Total Operating Time of Affected Source
1,176 hours
- I. Emission Data Summary
See Attachment
- J. CMS Performance Summary
Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. See attachment.
- K. Description of Changes in CMS, Processes, or Controls
No changes in CMS, Processes, or Controls were made during this period.
- L. Name, Title, and Signature of Responsible Official
See Attachment
- M. Date of Report
See Attachment

Excess Emissions Report
 MACT Reporting
 Nu-West Industries, Inc.
 d.b.a. Agrium Conda Phosphate Operations
 Reporting Period Ending: June 30, 2005
 40 CFR 63.10

Facility: Conditioning Vent Scrubber – 52% Evaporator

Scrubber: Vertical Spray Column Scrubber

| | | |
|--------------|---|--|
| 63.10(c)(5) | The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; | No event in which CMS inoperative |
| 63.10(c)(6) | The date and time identifying each period during which the CMS was out of control, as identified in § 63.8(c)(7); | No out of control events |
| 63.10(c)(7) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of affected source; | See attachment. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. DEQ was notified of all startups, shutdowns, and malfunctions of affected source. |
| 63.10(c)(8) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of affected source; | See attachment. |
| 63.10(c)(9) | [Reserved] | |
| 63.10(c)(10) | The nature and cause of any malfunction (if known); | No malfunctions of CMS. Maintenance events during downtime of the CMS within the monitoring period are shown. |
| 63.10(c)(11) | The corrective action taken or preventive measures adopted; | See attachment. |
| 63.10(c)(12) | The nature of the repairs or adjustments to the CMS that was inoperative or out of control; | Not applicable |
| 63.10(c)(13) | The total process operating time during the reporting period. | 1,176 hours |

MACT CHECKLIST

Facility: Conditioning Vent Scrubber – 52% Evaporator

Scrubber Parameters

Pressure Drop

| | | |
|----|-----------------------|-----------------------------------|
| a. | Type of Instrument | Differential Pressure Transmitter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 3051 |
| d. | Serial No. | 1284804 |
| e. | Range | 0-12 inches H ₂ O |
| f. | Accuracy | +/- 0.075 of calibrated span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-12 inches H ₂ O |
| i. | Tag No. | 36PDI1108 |
| j. | Location | CV scrubber |

Liquid Flow

| | | |
|----|-----------------------|-----------------------------|
| a. | Type of Instrument | Flowmeter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 8705/8742 |
| d. | Serial No. | 0860102549 |
| e. | Range | 0-1000 gpm |
| f. | Accuracy | 0.5% of rate; 0.05% of span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-300 gpm |
| i. | Tag No. | 36FI8108 |
| j. | Location | CV scrubber |

Conditioning Vent Scrubber Daily Average Flow and Pressure Drop

April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.

Days for period: 49

Scrubber flow rate established range 175.2 to 262.8 gpm; pressure drop 1.82 to 2.74 in. H2O

%Flow out 0.0 %Dp out 0.0

36FI8108/AI1/PV.C 36PDI1108/AI1/F 36HS7108A/DC1/PV_I 35FIC2202/I

| | | Cond Vent scrubber flow gpm | Scrubber Pressure drop in. H2O | SPA Scrubber fan on/off | Feed to Evap |
|----------|--------------------|-----------------------------------|---|-------------------------------|-----------------|
| 4/1/2005 | 01-Apr-05 00:00:00 | 216 | 2.25 | RUNNING | 211 |
| 7/1/2005 | 02-Apr-05 00:00:00 | 215 | 2.24 | RUNNING | 209 |
| 1 day | 03-Apr-05 00:00:00 | 213 | 2.29 | RUNNING | 203 |
| | 04-Apr-05 01:00:00 | 213 | 2.39 | RUNNING | 23 |
| | 05-Apr-05 01:00:00 | 213 | 2.45 | RUNNING | 103 |
| | 06-Apr-05 01:00:00 | 214 | 2.37 | RUNNING | 14 |
| | 07-Apr-05 01:00:00 | 215 | 2.30 | RUNNING | 186 |
| | 08-Apr-05 01:00:00 | 215 | 2.29 | RUNNING | 210 |
| | 09-Apr-05 01:00:00 | 215 | 2.30 | RUNNING | 225 |
| | 10-Apr-05 01:00:00 | 215 | 2.34 | RUNNING | 202 |
| | 11-Apr-05 01:00:00 | 215 | 2.29 | Shutdown | 0 |
| | 12-Apr-05 01:00:00 | 215 | 2.28 | RUNNING | 134 |
| | 13-Apr-05 01:00:00 | 215 | 2.38 | RUNNING | 183 |
| | 14-Apr-05 01:00:00 | 215 | 2.35 | RUNNING | 178 |
| | 15-Apr-05 01:00:00 | 215 | 2.33 | RUNNING | 129 |
| | 16-Apr-05 01:00:00 | 215 | 2.28 | RUNNING | 115 |
| | 17-Apr-05 01:00:00 | 215 | 2.38 | RUNNING | 217 |
| | 18-Apr-05 01:00:00 | 215 | 2.29 | RUNNING | 223 |
| | 19-Apr-05 01:00:00 | 215 | 2.22 | RUNNING | 229 |
| | 20-Apr-05 01:00:00 | 215 | 2.28 | RUNNING | 223 |
| | 21-Apr-05 01:00:00 | 215 | 2.34 | RUNNING | 228 |
| | 22-Apr-05 01:00:00 | 215 | 2.40 | RUNNING | 229 |
| | 23-Apr-05 01:00:00 | 214 | 2.31 | RUNNING | 218 |
| | 24-Apr-05 01:00:00 | 215 | 2.13 | RUNNING | 173 |
| | 25-Apr-05 01:00:00 | 216 | 2.28 | RUNNING | 69 |
| | 26-Apr-05 01:00:00 | 216 | 2.21 | RUNNING | 24 |
| | 27-Apr-05 01:00:00 | 216 | 2.13 | RUNNING | 195 |
| | 28-Apr-05 01:00:00 | 216 | 2.28 | RUNNING | 200 |
| | 29-Apr-05 01:00:00 | 216 | 2.23 | RUNNING | 200 |
| | 30-Apr-05 01:00:00 | 216 | 2.23 | RUNNING | 213 |
| | 01-May-05 01:00:00 | 215 | 2.31 | RUNNING | 227 |
| | 02-May-05 01:00:00 | 215 | 2.30 | RUNNING | 220 |
| | 03-May-05 01:00:00 | 216 | 2.31 | RUNNING | 217 |
| | 04-May-05 01:00:00 | 216 | 2.37 | RUNNING | 179 |
| | 05-May-05 01:00:00 | 216 | 2.33 | RUNNING | 219 |
| | 06-May-05 01:00:00 | 216 | 2.21 | RUNNING | 218 |
| | 07-May-05 01:00:00 | 216 | 2.18 | RUNNING | 48 |
| | 08-May-05 01:00:00 | 214 | 2.28 | RUNNING | 28 |
| | 09-May-05 01:00:00 | 67 | 0.72 | RUNNING | 0 |
| | 10-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| | 11-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |

Conditioning Vent Scrubber Daily Average Flow and Pressure Drop

April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.

Days for period: 49

Scrubber flow rate established range 175.2 to 262.8 gpm; pressure drop 1.82 to 2.74 in. H2O

%Flow out 0.0 %Dp out 0.0

36FI8108/AI1/PV.C 36PDI1108/AI1/F 36HS7108A/DC1/PV_I35FIC2202/I

| | Cond Vent scrubber flow gpm | Scrubber Pressure drop in. H2O | SPA Scrubber fan on/off | Feed to Evap |
|--------------------|-----------------------------------|---|-------------------------------|------------------|
| 12-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 13-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 14-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 15-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 16-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 17-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 18-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 19-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 20-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 21-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 22-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 23-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 24-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 25-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 26-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 27-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 28-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 29-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 30-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 31-May-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 01-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 02-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 03-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 04-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 05-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 06-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 07-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 08-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 09-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 10-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 11-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 12-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 13-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 14-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 15-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 16-Jun-05 01:00:00 | PI error: -11059 | PI-API error: -11059 | Failed | PI-API error: -1 |
| 17-Jun-05 01:00:00 | 0 | 0.01 | Failed | 0 |
| 18-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 0 |
| 19-Jun-05 01:00:00 | 0 | 0.01 | STOPPED | 3 |
| 20-Jun-05 01:00:00 | 160 | 1.27 | STOPPED | 38 |
| 21-Jun-05 01:00:00 | 225 | 1.92 | RUNNING | 183 |

Conditioning Vent Scrubber Daily Average Flow and Pressure Drop
 April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.

Days for period: 49

Scrubber flow rate established range 175.2 to 262.8 gpm; pressure drop 1.82 to 2.74 in. H2O

%Flow out 0.0 %Dp out 0.0

36FI8108/A11/PV.C 36PDI1108/A11/F 36HS7108A/DC1/PV_I 35FIC2202/I

| | Cond Vent scrubber flow gpm | Scrubber Pressure drop in. H2O | SPA Scrubber fan on/off | Feed to Evap |
|--------------------|-----------------------------------|---|-------------------------------|-----------------|
| 22-Jun-05 01:00:00 | 223 | 2.02 | RUNNING | 189 |
| 23-Jun-05 01:00:00 | 223 | 2.03 | RUNNING | 199 |
| 24-Jun-05 01:00:00 | 223 | 2.00 | RUNNING | 171 |
| 25-Jun-05 01:00:00 | 223 | 2.03 | RUNNING | 184 |
| 26-Jun-05 01:00:00 | 222 | 2.02 | RUNNING | 225 |
| 27-Jun-05 01:00:00 | 217 | 1.04 | RUNNING | 209 |
| 28-Jun-05 01:00:00 | 224 | 2.01 | Shutdown | 213 |
| 29-Jun-05 01:00:00 | 225 | 2.04 | RUNNING | 218 |
| | | | RUNNING | |

40 CFR Part 63.10(e)(3)(vi)

SUMMARY REPORT

GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

- A. Company Name & Address of Affected Source
Nu-West Industries, Inc.
d.b.a. Agrium Conda Phosphate Operations
3010 Conda Road
Soda Springs, Idaho 83276
- B. Hazardous Air Pollutant Monitored
Gaseous and Particulate Fluoride
- C. Beginning and Ending Dates of Reporting Period
April 1, 2005 to June 30, 2005
- D. Description of Process Unit
Horizontal Cross Flow Scrubber to Control Emissions from
Superphosphoric Acid (SPA) Production Process
- E. Operating Parameter Limitations
- | | | |
|--|---------|------|
| Pressure Drop, inches H ₂ O | Minimum | 6.28 |
| | Maximum | 9.4 |
| Scrubber Flow, gpm | Minimum | 443 |
| | Maximum | 663 |
- F. Monitoring Equipment Manufacturer and Model Number
See Attachment
- G. Date of Latest CMS Certification or Audit
At Installation
- H. Total Operating Time of Affected Source
1,896 hours
- I. Emission Data Summary
See Attachment
- J. CMS Performance Summary
Only hours of actual operation are shown. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. See attachment.
- K. Description of Changes in CMS, Processes, or Controls
No changes in CMS, Processes, or Controls were made during this period.
- L. Name, Title, and Signature of Responsible Official
See Attachment
- M. Date of Report
See Attachment

Excess Emissions Report
 MACT Reporting
 Nu-West Industries, Inc.
 d.b.a. Agrium Conda Phosphate Operations
 Reporting Period Ending: June 30, 2005
 40 CFR 63.10

Facility: SPA Plant

Scrubber: Horizontal Cross Flow Scrubber

| | | |
|--------------|---|--|
| 63.10(c)(5) | The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; | No event in which CMS inoperative |
| 63.10(c)(6) | The date and time identifying each period during which the CMS was out of control, as identified in § 63.8(c)(7); | No out of control events |
| 63.10(c)(7) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of affected source; | See attachment. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. DEQ was notified of all startups, shutdowns, and malfunctions of affected source. |
| 63.10(c)(8) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of affected source; | See attachment. |
| 63.10(c)(9) | [Reserved] | |
| 63.10(c)(10) | The nature and cause of any malfunction (if known); | No malfunctions of CMS. |
| 63.10(c)(11) | The corrective action taken or preventive measures adopted; | See attachment. |
| 63.10(c)(12) | The nature of the repairs or adjustments to the CMS that was inoperative or out of control; | Not applicable |
| 63.10(c)(13) | The total process operating time during the reporting period. | 1,896 hours |

MACT CHECKLIST

Facility: SPA Plant

Scrubber Parameters

Pressure Drop

| | | |
|----|-----------------------|-----------------------------------|
| a. | Type of Instrument | Differential Pressure Transmitter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 3051 |
| d. | Serial No. | 1234228 |
| e. | Range | 0-25 inches H ₂ O |
| f. | Accuracy | +/- 0.075 of calibrated span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-25 inches H ₂ O |
| i. | Tag No. | 27PDI017120 |
| j. | Location | SPA Scrubber |

Liquid Flow #1

| | | |
|----|-----------------------|------------------------------|
| a. | Type of Instrument | Flowmeter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 8800 |
| d. | Serial No. | 64171 |
| e. | Range | 0-120 gpm |
| f. | Accuracy | 0.65% of rate; 0.25% of span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-300 gpm |
| i. | Tag No. | 27FI009120 |
| j. | Location | SPA Scrubber |

Liquid Flow #2

| | | |
|----|-----------------------|-----------------------------|
| a. | Type of Instrument | Magmeter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 8705/8732 |
| d. | Serial No. | 86534 |
| e. | Range | 0-900 gpm |
| f. | Accuracy | 0.5% of rate; 0.05% of span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-900 gpm |
| i. | Tag No. | 26FIC001120 |
| j. | Location | SPA Scrubber |

Super Phosphoric Acid Plant Daily Average Scrubber Flow and Pressure Drop
 April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.
 data shown based on scrubber fan amps greater than 40 amps.

Days for period: 79

Scrubber flow rate established range 443 to 663 gpm; pressure drop 6.2 to 9.4 in. H2O

%Flow out 0.0 %Dp out 0.0

27FI009120/AI1/PV.CV

27FIC001120/PID1/PV.CV

27PDI017120/AI1

27II004120/AI1/PV.CV

| | | SPA scrubber flow #1 | SPA scrubber flow #2 | Total Flow gpm | Scrubber Pressure drop in. H2O | SPA Scrubber fan amps |
|----------|--------------------|----------------------------|----------------------------|-------------------|---|-----------------------------|
| 4/1/2005 | 01-Apr-05 00:00:00 | 5 | 574 | 580 | 6.99 | 52 |
| 7/2/2005 | 02-Apr-05 00:00:00 | 6 | 557 | 563 | 6.93 | 51 |
| 1 day | 03-Apr-05 00:00:00 | 5 | 562 | 567 | 6.87 | 51 |
| | 04-Apr-05 01:00:00 | 7 | 562 | 569 | 6.90 | 51 |
| | 05-Apr-05 01:00:00 | 7 | 545 | 553 | 6.95 | 51 |
| | 06-Apr-05 01:00:00 | 7 | 530 | 537 | 6.91 | 52 |
| | 07-Apr-05 01:00:00 | 5 | 525 | 530 | 6.88 | 51 |
| | 08-Apr-05 01:00:00 | 6 | 569 | 575 | 6.97 | 51 |
| | 09-Apr-05 01:00:00 | 7 | 574 | 581 | 7.03 | 51 |
| | 10-Apr-05 01:00:00 | 6 | 481 | 487 | 6.22 | 45 |
| | 11-Apr-05 01:00:00 | 7 | 475 | 481 | 7.00 | 52 |
| | 12-Apr-05 01:00:00 | 5 | 494 | 499 | 6.97 | 51 |
| | 13-Apr-05 01:00:00 | 5 | 500 | 505 | 6.95 | 51 |
| | 14-Apr-05 01:00:00 | 6 | 499 | 506 | 7.02 | 51 |
| | 15-Apr-05 01:00:00 | 7 | 435 | 442 | 6.49 | 52 |
| | 16-Apr-05 01:00:00 | 7 | 500 | 506 | 6.99 | 51 |
| | 17-Apr-05 01:00:00 | 5 | 499 | 505 | 6.99 | 51 |
| | 18-Apr-05 01:00:00 | 5 | 499 | 504 | 7.09 | 52 |
| | 19-Apr-05 01:00:00 | 6 | 499 | 506 | 7.05 | 51 |
| | 20-Apr-05 01:00:00 | 6 | 499 | 505 | 7.11 | 52 |
| | 21-Apr-05 01:00:00 | 5 | 500 | 505 | 7.13 | 52 |
| | 22-Apr-05 01:00:00 | 5 | 498 | 503 | 7.00 | 52 |
| | 23-Apr-05 01:00:00 | 6 | 500 | 505 | 6.97 | 51 |
| | 24-Apr-05 01:00:00 | 6 | 500 | 506 | 7.11 | 51 |
| | 25-Apr-05 01:00:00 | 5 | 499 | 504 | 7.16 | 51 |
| | 26-Apr-05 01:00:00 | 6 | 499 | 505 | 7.20 | 51 |
| | 27-Apr-05 01:00:00 | 6 | 499 | 505 | 7.19 | 50 |
| | 28-Apr-05 01:00:00 | 6 | 500 | 506 | 7.29 | 51 |
| | 29-Apr-05 01:00:00 | 4 | 500 | 504 | 7.33 | 51 |
| | 30-Apr-05 01:00:00 | 4 | 500 | 504 | 7.31 | 50 |
| | 01-May-05 01:00:00 | 5 | 500 | 505 | 7.30 | 50 |
| | 02-May-05 01:00:00 | 6 | 499 | 505 | 7.29 | 50 |
| | 03-May-05 01:00:00 | 5 | 500 | 505 | 7.26 | 50 |
| | 04-May-05 01:00:00 | 6 | 499 | 505 | 7.25 | 50 |
| | 05-May-05 01:00:00 | 6 | 500 | 506 | 7.19 | 50 |
| | 06-May-05 01:00:00 | 6 | 499 | 505 | 7.23 | 50 |
| | 07-May-05 01:00:00 | 6 | 500 | 506 | 7.26 | 50 |
| | 08-May-05 01:00:00 | 5 | 499 | 505 | 7.21 | 50 |
| | 09-May-05 01:00:00 | 5 | 500 | 505 | 7.25 | 50 |
| | 10-May-05 01:00:00 | 6 | 500 | 506 | 7.27 | 50 |

Super Phosphoric Acid Plant Daily Average Scrubber Flow and Pressure Drop
 April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.
 data shown based on scrubber fan amps greater than 40 amps.

Days for period: 79

Scrubber flow rate established range 443 to 663 gpm; pressure drop 6.2 to 9.4 in. H2O

%Flow out 0.0 %Dp out 0.0

27FI009120/AI1/PV.CV

27FIC001120/PID1/PV.CV 27PDI017120/AI 27II004120/AI1/PV.CV

| | SPA scrubber flow #1 | SPA scrubber flow #2 | Total Flow gpm | Scrubber Pressure drop in. H2O | SPA Scrubber fan amps |
|--------------------|----------------------------|----------------------------|-------------------|---|-----------------------------|
| 11-May-05 01:00:00 | 6 | 500 | 506 | 7.24 | 50 |
| 12-May-05 01:00:00 | 5 | 500 | 505 | 7.27 | 50 |
| 13-May-05 01:00:00 | 4 | 499 | 504 | 7.27 | 50 |
| 14-May-05 01:00:00 | 5 | 500 | 505 | 7.12 | 49 |
| 15-May-05 01:00:00 | 6 | 499 | 505 | 7.25 | 49 |
| 16-May-05 01:00:00 | 5 | 492 | 497 | 7.13 | 49 |
| 17-May-05 01:00:00 | 6 | 499 | 506 | 7.29 | 50 |
| 18-May-05 01:00:00 | 6 | 499 | 505 | 7.28 | 50 |
| 19-May-05 01:00:00 | 5 | 499 | 505 | 7.26 | 49 |
| 20-May-05 01:00:00 | 5 | 479 | 484 | 7.06 | 49 |
| 21-May-05 01:00:00 | 6 | 499 | 505 | 7.22 | 49 |
| 22-May-05 01:00:00 | 6 | 500 | 506 | 7.20 | 49 |
| 23-May-05 01:00:00 | 6 | 499 | 505 | 7.22 | 49 |
| 24-May-05 01:00:00 | 6 | 500 | 505 | 7.26 | 49 |
| 25-May-05 01:00:00 | 6 | 500 | 506 | 7.34 | 50 |
| 26-May-05 01:00:00 | 5 | 499 | 504 | 7.32 | 49 |
| 27-May-05 01:00:00 | 6 | 500 | 505 | 7.39 | 49 |
| 28-May-05 01:00:00 | 5 | 499 | 504 | 7.28 | 48 |
| 29-May-05 01:00:00 | 5 | 500 | 504 | 7.33 | 48 |
| 30-May-05 01:00:00 | 5 | 500 | 505 | 7.34 | 49 |
| 31-May-05 01:00:00 | 6 | 500 | 506 | 7.27 | 48 |
| 01-Jun-05 01:00:00 | 6 | 499 | 505 | 7.28 | 48 |
| 02-Jun-05 01:00:00 | 5 | 500 | 505 | 7.33 | 49 |
| 03-Jun-05 01:00:00 | 5 | 500 | 505 | 7.43 | 49 |
| 04-Jun-05 01:00:00 | 6 | 499 | 505 | 7.50 | 49 |
| 05-Jun-05 01:00:00 | 6 | 500 | 506 | 7.54 | 49 |
| 06-Jun-05 01:00:00 | 3 | 500 | 503 | 7.63 | 51 |
| 07-Jun-05 01:00:00 | 1 | 500 | 501 | 7.74 | 51 |
| 08-Jun-05 01:00:00 | 0 | 500 | 500 | 7.75 | 51 |
| 09-Jun-05 01:00:00 | 1 | 500 | 501 | 7.92 | 51 |
| 21-Jun-05 01:00:00 | 5 | 493 | 498 | 8.06 | 51 |
| 22-Jun-05 01:00:00 | 5 | 500 | 505 | 8.11 | 51 |
| 23-Jun-05 01:00:00 | 6 | 500 | 505 | 8.07 | 51 |
| 24-Jun-05 01:00:00 | 5 | 500 | 505 | 8.06 | 50 |
| 25-Jun-05 01:00:00 | 5 | 499 | 504 | 7.95 | 49 |
| 26-Jun-05 01:00:00 | 5 | 501 | 506 | 7.92 | 49 |
| 27-Jun-05 01:00:00 | 6 | 500 | 505 | 7.89 | 49 |
| 28-Jun-05 01:00:00 | 5 | 500 | 505 | 7.89 | 49 |
| 30-Jun-05 01:00:00 | 5 | 500 | 505 | 7.97 | 49 |

40 CFR Part 63.10(e)(3)(vi)

SUMMARY REPORT

GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

- A. Company Name & Address of Affected Source
Nu-West Industries, Inc.
d.b.a. Agrium Conda Phosphate Operations
3010 Conda Road
Soda Springs, Idaho 83276
- B. Hazardous Air Pollutant Monitored
Gaseous and Particulate Fluoride
- C. Beginning and Ending Dates of Reporting Period
April 1, 2005 to June 30, 2005
- D. Description of Process Unit
Venturi Scrubber to Control Emissions from the product DRYER at the
Phosphate Fertilizer Production [Granulation] Plant
- E. Operating Parameter Limitations
- | | | |
|--|---------|------|
| Pressure Drop, inches H ₂ O | Minimum | 15.1 |
| | Maximum | 22.6 |
| Scrubber Flow, gpm | Minimum | 560 |
| | Maximum | 840 |
- F. Monitoring Equipment Manufacturer and Model Number
See Attachment
- G. Date of Latest CMS Certification or Audit
At Installation
- H. Total Operating Time of Affected Source
1,056 hours
- I. Emission Data Summary
See Attachment
- J. CMS Performance Summary
Plant operation is "campaigned" with available feedstock. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. See Granulation plant attachment.
- K. Description of Changes in CMS, Processes, or Controls
No changes in CMS, Processes, or Controls were made during this period.
- L. Name, Title, and Signature of Responsible Official
See Attachment
- M. Date of Report
See Attachment

Excess Emissions Report
 MACT Reporting
 Nu-West Industries, Inc.
 d.b.a. Agrium Conda Phosphate Operations
 Reporting Period Ending: June30, 2005
 40 CFR 63.10

Facility: Granulation Plant

Scrubber: Dryer Scrubber

| | | |
|--------------|---|--|
| 63.10(c)(5) | The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; | No event in which CMS inoperative |
| 63.10(c)(6) | The date and time identifying each period during which the CMS was out of control, as identified in § 63.8(c)(7); | No out of control events |
| 63.10(c)(7) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of affected source; | See attachment. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. DEQ was notified of all startups, shutdowns, and malfunctions of affected source. |
| 63.10(c)(8) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of affected source; | See attachment |
| 63.10(c)(9) | [Reserved] | |
| 63.10(c)(10) | The nature and cause of any malfunction (if known); | No malfunctions of CMS |
| 63.10(c)(11) | The corrective action taken or preventive measures adopted; | Not applicable |
| 63.10(c)(12) | The nature of the repairs or adjustments to the CMS that was inoperative or out of control; | Not applicable |
| 63.10(c)(13) | The total process operating time during the reporting period. | 1,056 hours |

40 CFR Part 63.10(e)(3)(vi)

SUMMARY REPORT

GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

- A. Company Name & Address of Affected Source
Nu-West Industries, Inc.
d.b.a. Agrium Conda Phosphate Operations
3010 Conda Road
Soda Springs, Idaho 83276
- B. Hazardous Air Pollutant Monitored
Gaseous and Particulate Fluoride
- C. Beginning and Ending Dates of Reporting Period
April 1, 2005 to June 30, 2005
- D. Description of Process Unit
Venturi Scrubber to Control Emissions from the product GRANULATOR at the Phosphate Fertilizer Production [Granulation] Plant
- E. Operating Parameter Limitations
- | | | |
|--|---------|------|
| Pressure Drop, inches H ₂ O | Minimum | 15.7 |
| | Maximum | 23.4 |
| Scrubber Flow, gpm | Minimum | 257 |
| | Maximum | 427 |
- F. Monitoring Equipment Manufacturer and Model Number
See Attachment
- G. Date of Latest CMS Certification or Audit
At Installation
- H. Total Operating Time of Affected Source
1,056 hours
- I. Emission Data Summary
See Attachment
- J. CMS Performance Summary
Plant operation is "campaigned" with available feedstock. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. See Granulation plant attachment.
- K. Description of Changes in CMS, Processes, or Controls
No changes in CMS, Processes, or Controls were made during this period.
- L. Name, Title, and Signature of Responsible Official
See Attachment
- M. Date of Report
See Attachment

Excess Emissions Report
 MACT Reporting
 Nu-West Industries, Inc.
 d.b.a. Agrium Conda Phosphate Operations
 Reporting Period Ending: June30, 2005
 40 CFR 63.10

Facility: Granulation Plant

Scrubber: Granulator Scrubber

| | | |
|--------------|---|--|
| 63.10(c)(5) | The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; | No event in which CMS inoperative |
| 63.10(c)(6) | The date and time identifying each period during which the CMS was out of control, as identified in § 63.8(c)(7); | No out of control events |
| 63.10(c)(7) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of affected source; | See attachment. Data is filtered for actual operating hours. Hours affected by startups, shutdowns, or malfunctions are not included in the total operating time of affected source. DEQ was notified of all startups, shutdowns, and malfunctions of affected source. |
| 63.10(c)(8) | The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedences, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of affected source; | See attachment |
| 63.10(c)(9) | [Reserved] | |
| 63.10(c)(10) | The nature and cause of any malfunction (if known); | No malfunctions of CMS |
| 63.10(c)(11) | The corrective action taken or preventive measures adopted; | Not applicable |
| 63.10(c)(12) | The nature of the repairs or adjustments to the CMS that was inoperative or out of control; | Not applicable |
| 63.10(c)(13) | The total process operating time during the reporting period. | 1,056 hours |

MACT CHECKLIST

Facility: Phosphate Fertilizer Production [Granulation] Plant

Scrubber Parameters – Dryer Scrubber

Pressure Drop

| | | |
|----|-----------------------|-----------------------------------|
| a. | Type of Instrument | Differential Pressure Transmitter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 3051 |
| d. | Serial No. | 1508509 |
| e. | Range | 0-25 inches H ₂ O |
| f. | Accuracy | +/- 0.25 of calibrated span . |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-25 inches H ₂ O |
| i. | Tag No. | 24PDI094105 |
| j. | Location | Dryer Scrubber |

Liquid Flow

| | | |
|----|-----------------------|----------------|
| a. | Type of Instrument | Magmeter |
| b. | Manufacturer | Yokagawa |
| c. | Model No. | AE210MG |
| d. | Serial No. | AB1HSAA1DH |
| e. | Range | 0-1250 gpm |
| f. | Accuracy | 0.25% of mv |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-1250 gpm |
| i. | Tag No. | 04FI014105 |
| j. | Location | Dryer Scrubber |

MACT CHECKLIST

Facility: Phosphate Fertilizer Production [Granulation] Plant

Scrubber Parameters – Granulator Scrubber

Pressure Drop

| | | |
|----|-----------------------|-----------------------------------|
| a. | Type of Instrument | Differential Pressure Transmitter |
| b. | Manufacturer | Rosemount |
| c. | Model No. | 3051 |
| d. | Serial No. | 1478279 |
| e. | Range | 0-25 inches H ₂ O |
| f. | Accuracy | +/- 0.25 of calibrated span |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-25 inches H ₂ O |
| i. | Tag No. | 24PDI093105 |
| j. | Location | Granulator Scrubber |

Liquid Flow

| | | |
|----|-----------------------|---------------------|
| a. | Type of Instrument | Flowmeter |
| b. | Manufacturer | Foxboro |
| c. | Model No. | IMT25-PeatB10M |
| d. | Serial No. | 1091646 |
| e. | Range | 0-1000 gpm |
| f. | Accuracy | 0.5% of mv |
| g. | Accuracy Verification | on file |
| h. | Monitored Range | 0-1000 gpm |
| i. | Tag No. | 04FI022105 |
| j. | Location | Granulator Scrubber |

Phosphate Fertilizer Production Plant Daily Average Scrubber Flow and Pressure Drop

April 1, 2005 through June 30, 2005 except for startups, shutdowns, and malfunctions.

Hourly average data shown based on actual Granulator operation (feed greater than 160 gpm)

Days for period: 44

Dryer scrubber flow rate established range 560 to 840 gpm; pressure drop 15.1 to 22.6 in. H₂O

Granulator scrubber flow rate established range 257 to 427 gpm; pressure drop 15.7 to 23.4 in. H₂O

% Out of
range = 0

% Out of
range = 0

% Out of
range = 0

% Out of
range = 0

why 0 here
1 day

4/1/2005 04FIC014105/PID1/F 24PDI094105/A 04FIC022105/P 24PDI093105/A 24FIC01611

| 7/2/2005 | DRYER SCRUBBER FLOW | DRYER SCRUBBER D/P | GRAN SCRUBBER FLOW | GRAN SCRUBBER D/P | GRAN REACTOR FEED GPM |
|--------------------|---------------------------|--------------------------|--------------------------|-------------------------|-----------------------------|
| 03-Apr-05 00:00:00 | 699 | 17.8 | 350 | 18.7 | 167 |
| 06-Apr-05 01:00:00 | 700 | 18.2 | 350 | 20.1 | 226 |
| 07-Apr-05 01:00:00 | 706 | 16.5 | 360 | 16.7 | 187 |
| 13-Apr-05 01:00:00 | 725 | 16.6 | 374 | 16.4 | 169 |
| 14-Apr-05 01:00:00 | 725 | 17.7 | 375 | 18.3 | 202 |
| 15-Apr-05 01:00:00 | 725 | 15.8 | 375 | 15.4 | 161 |
| 16-Apr-05 01:00:00 | 725 | 15.7 | 375 | 16.6 | 169 |
| 17-Apr-05 01:00:00 | 725 | 18.3 | 375 | 20.0 | 199 |
| 18-Apr-05 01:00:00 | 725 | 18.4 | 375 | 20.5 | 200 |
| 19-Apr-05 01:00:00 | 725 | 18.2 | 375 | 20.9 | 200 |
| 21-Apr-05 01:00:00 | 725 | 18.3 | 375 | 16.9 | 180 |
| 22-Apr-05 01:00:00 | 725 | 19.6 | 375 | 19.2 | 212 |
| 23-Apr-05 01:00:00 | 725 | 19.3 | 375 | 20.6 | 235 |
| 27-Apr-05 01:00:00 | 725 | 19.2 | 375 | 18.4 | 228 |
| 28-Apr-05 01:00:00 | 725 | 19.2 | 375 | 18.6 | 238 |
| 29-Apr-05 01:00:00 | 726 | 19.1 | 375 | 18.7 | 225 |
| 30-Apr-05 01:00:00 | 725 | 14.5 | 375 | 15.0 | 166 |
| 01-May-05 01:00:00 | 725 | 19.2 | 375 | 19.6 | 197 |
| 02-May-05 01:00:00 | 725 | 19.3 | 375 | 19.8 | 207 |
| 03-May-05 01:00:00 | 725 | 19.1 | 375 | 20.0 | 210 |
| 05-May-05 01:00:00 | 725 | 19.2 | 375 | 18.5 | 228 |
| 06-May-05 01:00:00 | 725 | 18.9 | 375 | 19.1 | 224 |
| 07-May-05 01:00:00 | 725 | 19.0 | 375 | 17.0 | 198 |
| 08-May-05 01:00:00 | 725 | 18.9 | 375 | 19.4 | 208 |
| 09-May-05 01:00:00 | 725 | 18.7 | 375 | 19.4 | 176 |
| 10-May-05 01:00:00 | 725 | 18.9 | 375 | 18.8 | 174 |
| 12-May-05 01:00:00 | 725 | 18.5 | 375 | 15.2 | 161 |
| 13-May-05 01:00:00 | 725 | 19.0 | 375 | 17.6 | 178 |
| 14-May-05 01:00:00 | 725 | 18.9 | 375 | 19.0 | 194 |
| 15-May-05 01:00:00 | 725 | 18.8 | 375 | 19.3 | 192 |
| 17-May-05 01:00:00 | 725 | 18.7 | 375 | 18.3 | 186 |
| 20-May-05 01:00:00 | 725 | 18.1 | 375 | 20.2 | 188 |
| 21-May-05 01:00:00 | 678 | 14.1 | 347 | 14.0 | 162 |
| 22-May-05 01:00:00 | 725 | 18.4 | 375 | 19.1 | 235 |
| 23-May-05 01:00:00 | 724 | 18.1 | 375 | 20.3 | 232 |
| 24-May-05 01:00:00 | 725 | 18.3 | 375 | 19.9 | 194 |
| 26-May-05 01:00:00 | 725 | 18.5 | 375 | 18.7 | 170 |
| 27-May-05 01:00:00 | 725 | 18.2 | 375 | 20.0 | 175 |
| 28-May-05 01:00:00 | 725 | 17.9 | 375 | 17.2 | 173 |
| 30-May-05 01:00:00 | 680 | 9.1 | 336 | 9.4 | 230 |
| 31-May-05 01:00:00 | 725 | 15.5 | 375 | 14.7 | 163 |
| 02-Jun-05 01:00:00 | 725 | 17.9 | 375 | 19.3 | 172 |
| 05-Jun-05 01:00:00 | 725 | 18.5 | 376 | 20.3 | 207 |
| 28-Jun-05 01:00:00 | 750 | 19.0 | 375 | 18.7 | 204 |

Phosphate Fertilizer Production Plant Daily Average Scrubber Flow and Pressure Drop
15-minute day except for startups, shutdowns, and malfunctions.

15-minute average data shown based on actual Granulator operation (feed greater than 160 gpm)
Hours of operation: 19.5

Dryer scrubber flow rate established range 560 to 840 gpm; pressure drop 15.1 to 22.6 in. H₂O
Granulator scrubber flow rate established range 257 to 427 gpm; pressure drop 15.7 to 23.4 in. H₂O

5/30/2005 04FIC0141 24PDI0941 04FIC0221 24PDI0931 24FIC016101/PID1/PV.CV

| | DRYER SCRUBBER FLOW | DRYER SCRUBBER D/P | GRAN SCRUBBER FLOW | GRAN SCRUBBER D/P | GRAN REACTOR FEED GPM |
|--------------------|---------------------------|--------------------------|--------------------------|-------------------------|-----------------------------|
| 5/31/2005 | | | | | |
| 30-May-05 00:00:00 | 725.1885 | 17.89405 | 375.2534 | 16.18465 | 177.9577 |
| 30-May-05 00:15:00 | 725.8666 | 17.99457 | 375.2885 | 17.23794 | 201.5923 |
| 30-May-05 00:30:00 | 725.7583 | 17.99878 | 375.2675 | 18.8192 | 224.4427 |
| 30-May-05 00:45:00 | 725.65 | 18.03867 | 375.2286 | 18.98536 | 224.7532 |
| 30-May-05 01:00:00 | 725.5416 | 17.98771 | 375.1898 | 18.94816 | 225.3876 |
| 30-May-05 01:15:00 | 725.4333 | 17.83167 | 375.1509 | 18.70038 | 224.9126 |
| 30-May-05 01:30:00 | 725.325 | 17.69949 | 375.112 | 18.19359 | 225.112 |
| 30-May-05 01:45:00 | 725.2166 | 17.80053 | 375.0732 | 18.40666 | 225.3304 |
| 30-May-05 02:00:00 | 725.1082 | 17.82304 | 375.0343 | 18.4639 | 225.1278 |
| 30-May-05 03:00:00 | 724.6748 | 18.21999 | 374.8789 | 17.59038 | 200.9344 |
| 30-May-05 03:15:00 | 724.5665 | 18.07884 | 374.8401 | 18.06361 | 224.7566 |
| 30-May-05 03:30:00 | 724.4581 | 17.95835 | 374.8012 | 17.63543 | 224.8863 |
| 30-May-05 03:45:00 | 724.3498 | 17.98107 | 374.7624 | 18.66854 | 224.7939 |
| 30-May-05 04:00:00 | 724.2704 | 17.9509 | 374.7235 | 17.96561 | 225.6154 |
| 30-May-05 04:15:00 | 724.3066 | 17.91286 | 374.7319 | 16.19559 | 217.9305 |
| 30-May-05 08:15:00 | 726.2704 | 6.651642 | 374.3817 | 11.64519 | 285.4168 |
| 30-May-05 08:30:00 | 725.6456 | 6.451974 | 375.5737 | 11.64894 | 288.9505 |
| 30-May-05 08:45:00 | 725.075 | 6.239265 | 374.5222 | 11.616 | 288.8395 |
| 30-May-05 09:00:00 | 724.9443 | 6.498032 | 374.9724 | 11.32248 | 288.5027 |
| 30-May-05 09:15:00 | 725.3419 | 6.293674 | 374.81 | 12.2446 | 287.1844 |
| 30-May-05 09:30:00 | 726.3093 | 6.393331 | 298.2376 | 11.01788 | 285.8339 |
| 30-May-05 09:45:00 | 725.1024 | 5.984557 | 268.6789 | 9.759135 | 286.394 |
| 30-May-05 10:00:00 | 725.9113 | 5.689542 | 268.3061 | 9.882859 | 287.1078 |
| 30-May-05 10:15:00 | 725.0894 | 6.037594 | 263.7265 | 9.467906 | 287.6181 |
| 30-May-05 10:30:00 | 724.6453 | 6.126796 | 362.6769 | 10.62004 | 288.058 |
| 30-May-05 10:45:00 | 726.0822 | 5.910918 | 4.520635 | 5.700075 | 289.8721 |
| 30-May-05 11:00:00 | 724.5074 | 5.760536 | 0.008271 | 5.364911 | 290.0963 |
| 30-May-05 11:15:00 | 425.3245 | 4.691322 | 0.007136 | 3.424665 | 290.4375 |
| 30-May-05 11:30:00 | -120.4649 | 2.154861 | 0.006 | 1.723777 | 290.7787 |
| 30-May-05 11:45:00 | -121.3539 | 2.065936 | 0.004864 | 0.732409 | 291.12 |
| 30-May-05 12:00:00 | -122.2429 | 2.306733 | 0.003728 | 1.354855 | 291.4612 |
| 30-May-05 12:15:00 | -123.1319 | 2.047848 | 0.002592 | 1.66573 | 291.8024 |
| 30-May-05 12:30:00 | 97.69757 | 2.705914 | 0.001456 | 1.534516 | 292.1262 |
| 30-May-05 12:45:00 | 725.3236 | 3.981644 | 79.23969 | 2.008383 | 289.4106 |
| 30-May-05 13:00:00 | 725.0303 | 6.113867 | 376.0859 | 5.989904 | 285.8202 |
| 30-May-05 13:15:00 | 725.7796 | 6.728092 | 374.5074 | 7.362941 | 286.2837 |
| 30-May-05 13:30:00 | 726.5239 | 6.827374 | 374.5107 | 7.51408 | 286.9008 |
| 30-May-05 13:45:00 | 725.3568 | 7.103209 | 374.9615 | 7.44926 | 287.0345 |
| 30-May-05 14:00:00 | 725.5092 | 6.986257 | 375.5889 | 7.542947 | 287.1682 |
| 30-May-05 14:15:00 | 724.3809 | 6.933175 | 375.7051 | 7.681423 | 287.3019 |
| 30-May-05 14:30:00 | 724.5537 | 7.304671 | 375.6603 | 7.540917 | 287.4356 |
| 30-May-05 14:45:00 | 723.965 | 7.220404 | 375.6527 | 7.697925 | 287.5692 |
| 30-May-05 15:00:00 | 723.8834 | 7.082236 | 375.6948 | 7.637609 | 287.7029 |
| 30-May-05 15:15:00 | 725.1535 | 7.60519 | 375.7368 | 7.451863 | 287.8366 |
| 30-May-05 15:30:00 | 724.2918 | 7.048606 | 375.7788 | 7.602395 | 287.9703 |
| 30-May-05 15:45:00 | 724.3939 | 7.230412 | 375.8209 | 7.290003 | 288.1039 |

what was the
reason for
low DP?
and in flow?

Phosphate Fertilizer Production Plant Daily Average Scrubber Flow and Pressure Drop

15-minute day except for startups, shutdowns, and malfunctions.

15-minute average data shown based on actual Granulator operation (feed greater than 160 gpm)

Hours of operation: 19.5

Dryer scrubber flow rate established range 560 to 840 gpm; pressure drop 15.1 to 22.6 in. H2O

Granulator scrubber flow rate established range 257 to 427 gpm; pressure drop 15.7 to 23.4 in. H2O

5/30/2005 04FIC0141 24PDI0941 04FIC0221 24PDI0931 24FIC016101/PID1/PV.CV 15min

5/31/2005

| | DRYER SCRUBBER FLOW | DRYER SCRUBBER D/P | GRAN SCRUBBER FLOW | GRAN SCRUBBER D/P | GRAN REACTOR FEED GPM |
|--------------------|---------------------------|--------------------------|--------------------------|-------------------------|-----------------------------|
| 30-May-05 16:00:00 | 725.3872 | 7.270178 | 375.8629 | 7.88383 | 288.8348 |
| 30-May-05 16:15:00 | 726.4752 | 6.912971 | 375.5643 | 7.407085 | 289.0236 |
| 30-May-05 16:30:00 | 726.356 | 6.822895 | 374.7733 | 7.474394 | 289.0233 |
| 30-May-05 16:45:00 | 725.6315 | 6.760247 | 374.3721 | 7.634784 | 289.023 |
| 30-May-05 17:00:00 | 726.0395 | 7.043361 | 374.1972 | 7.118454 | 289.0228 |
| 30-May-05 17:15:00 | 724.3572 | 6.652118 | 374.0479 | 7.549494 | 289.0226 |
| 30-May-05 17:30:00 | 723.7032 | 6.605418 | 373.8985 | 7.615076 | 289.0223 |
| 30-May-05 17:45:00 | 723.5363 | 6.318933 | 373.7512 | 7.635625 | 289.0221 |
| 30-May-05 18:00:00 | 725.0844 | 6.618059 | 373.7233 | 7.43339 | 289.0218 |
| 30-May-05 18:15:00 | 725.6669 | 6.521283 | 373.7647 | 7.479107 | 289.0216 |
| 30-May-05 18:30:00 | 725.1776 | 6.670559 | 373.8061 | 7.685659 | 289.0213 |
| 30-May-05 18:45:00 | 725.9594 | 6.504348 | 373.8474 | 7.496284 | 289.0211 |
| 30-May-05 19:00:00 | 726.1703 | 6.586348 | 373.8888 | 7.176844 | 289.0208 |
| 30-May-05 19:15:00 | 726.4988 | 6.43308 | 373.9302 | 7.497473 | 289.0206 |
| 30-May-05 19:30:00 | 725.332 | 6.420682 | 373.9716 | 7.31445 | 289.0203 |
| 30-May-05 19:45:00 | 724.7343 | 6.330422 | 374.0054 | 7.508928 | 289.0201 |
| 30-May-05 20:00:00 | 724.5337 | 6.342966 | 374.0304 | 7.37627 | 288.9833 |
| 30-May-05 20:15:00 | 725.5158 | 6.652406 | 374.0554 | 7.308092 | 288.8628 |
| 30-May-05 20:30:00 | 725.7827 | 6.209551 | 374.0805 | 7.586528 | 288.739 |
| 30-May-05 20:45:00 | 725.8961 | 6.103377 | 374.1055 | 7.644958 | 288.4057 |
| 30-May-05 21:00:00 | 725.8264 | 6.285153 | 374.1305 | 7.380919 | 288.5128 |
| 30-May-05 21:15:00 | 725.7563 | 6.211651 | 374.1555 | 7.195033 | 288.5786 |
| 30-May-05 21:30:00 | 725.6863 | 6.391957 | 374.1806 | 7.353714 | 288.6445 |
| 30-May-05 21:45:00 | 725.6161 | 6.487046 | 374.2056 | 7.19434 | 288.7103 |
| 30-May-05 22:00:00 | 725.5461 | 6.01347 | 374.2307 | 7.476977 | 288.7762 |
| 30-May-05 22:15:00 | 725.476 | 6.261815 | 374.2557 | 7.304418 | 288.842 |
| 30-May-05 22:30:00 | 725.4059 | 6.271491 | 374.2807 | 6.858099 | 288.9078 |
| 30-May-05 22:45:00 | 725.6097 | 6.145233 | 374.3057 | 7.011395 | 288.9737 |
| 30-May-05 23:00:00 | 725.2484 | 6.228742 | 374.3307 | 7.010679 | 289.0395 |
| 30-May-05 23:15:00 | 724.7486 | 6.094507 | 374.3558 | 7.117078 | 289.1054 |
| 30-May-05 23:30:00 | 724.6953 | 5.786358 | 374.3763 | 7.410905 | 289.1712 |
| 30-May-05 23:45:00 | 724.6921 | 6.330459 | 374.3647 | 6.950479 | 289.2371 |